FIG. 1

AT RUNTIME

AT DESIGN TIME
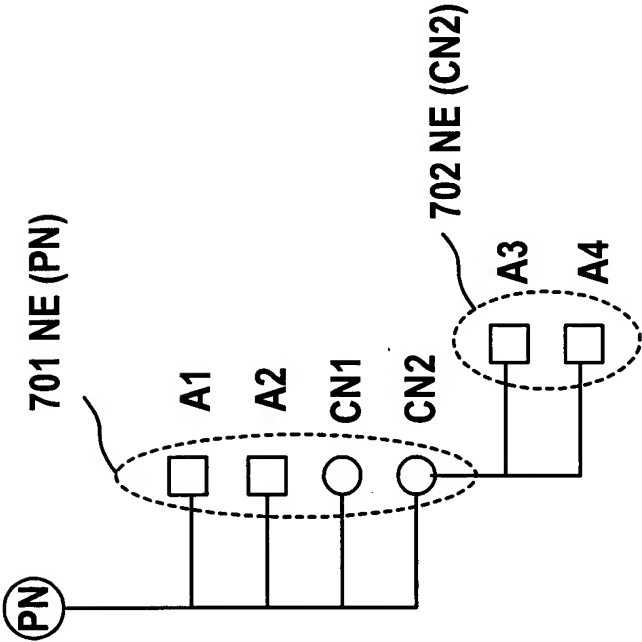
701 NE (PN)

702 NE (CN2)

CONTEXT 304

LEGEND:

ATTRIBUTE

NODE

RUNTIME INSTANCE

NODE COLLECTION

FIG. 2

FIG. 3

AT RUNTIME

BOUND

CONTENT

601

SUPPLY
FUNCTION

302

60

502

702

702

702

402 NC2

501

501

PN

701

701

701

701

401 NC1

304

LEGEND:

NODE SELECTION
NODE COLLECTION

FIG. 4

DECLARING APPLICATION DATA
Markus Cherdron et al.
13913-086001

AT RUNTIME
(SINGLETON)

NC(A)

NE(A)

NE(A)   NE(A)

A

NE(A)

B   NE(B)

NC(B)

NE(B)

NE(B)   NE(B)

NE(B)

C   NE(C)

NC(C)

NE(C)

NE(C)

AT DESIGN TIME

NE(A)

A

B

NE(B)

C

NE(C)

LEGEND:

▢   ATTRIBUTE

◯   NODE

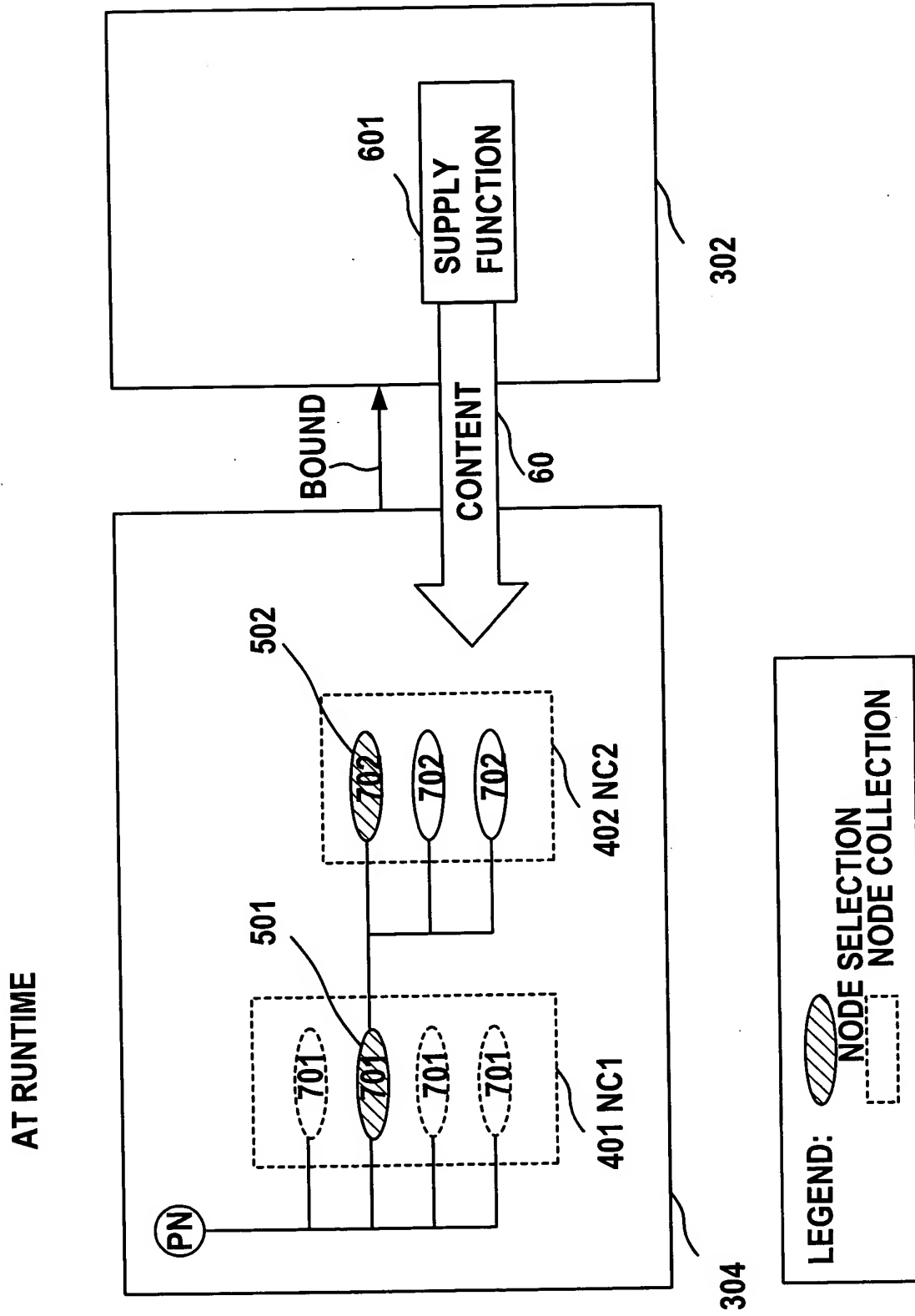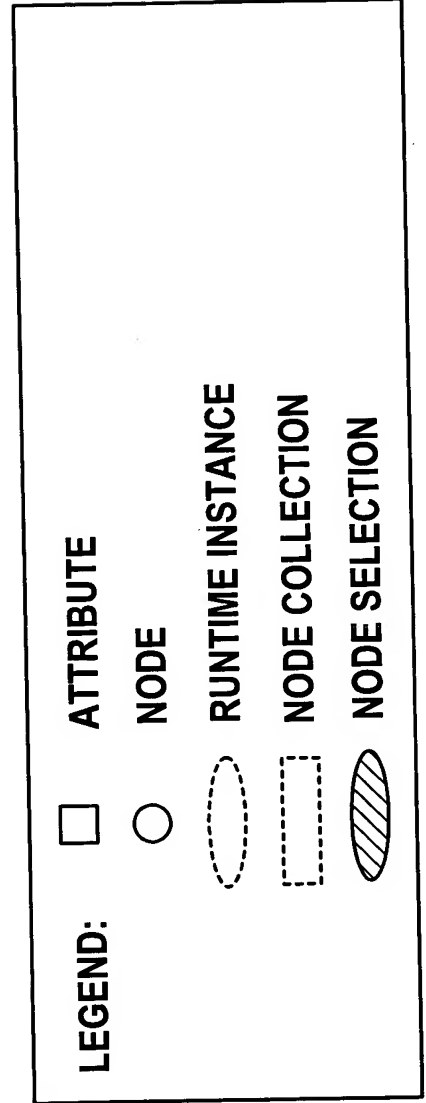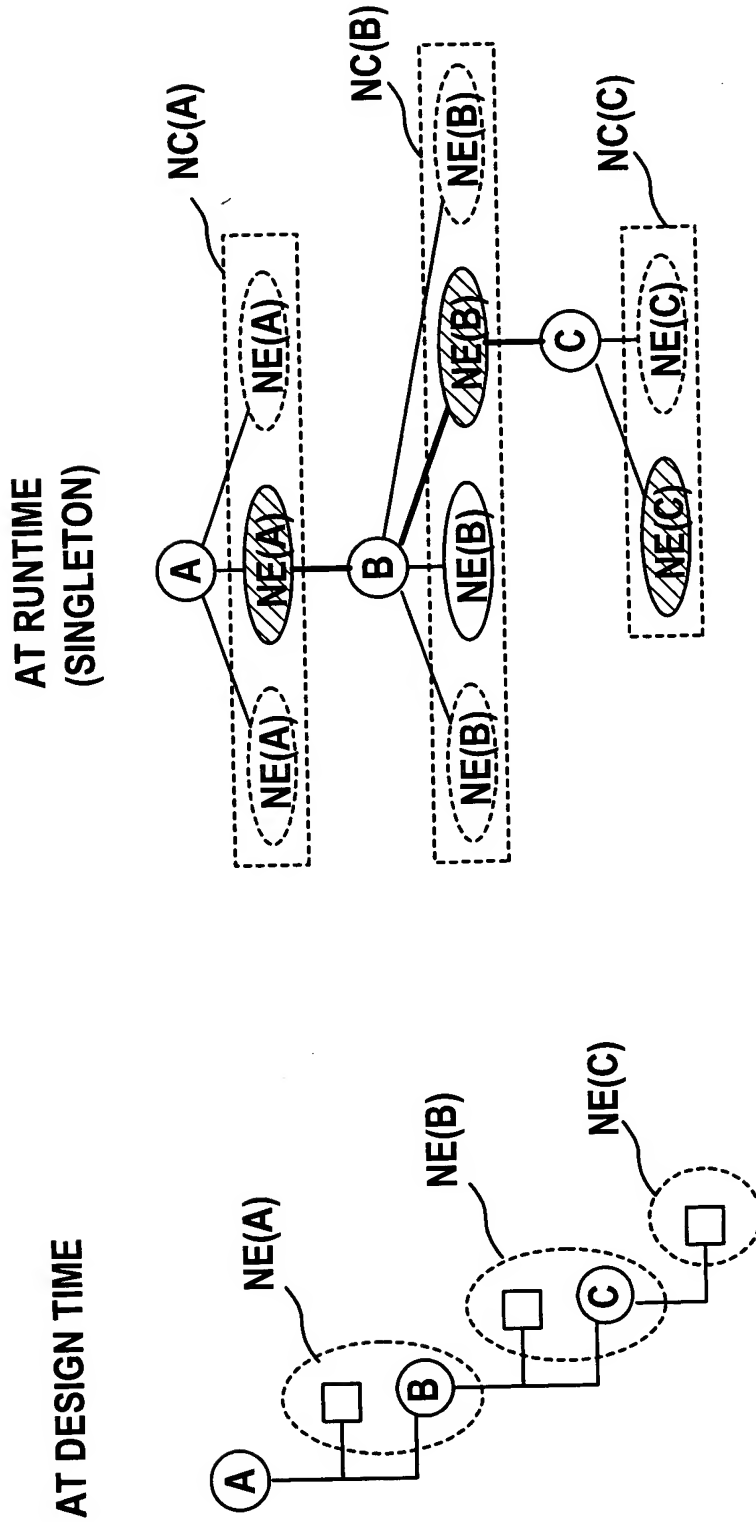⬭   RUNTIME INSTANCE

▢   NODE COLLECTION
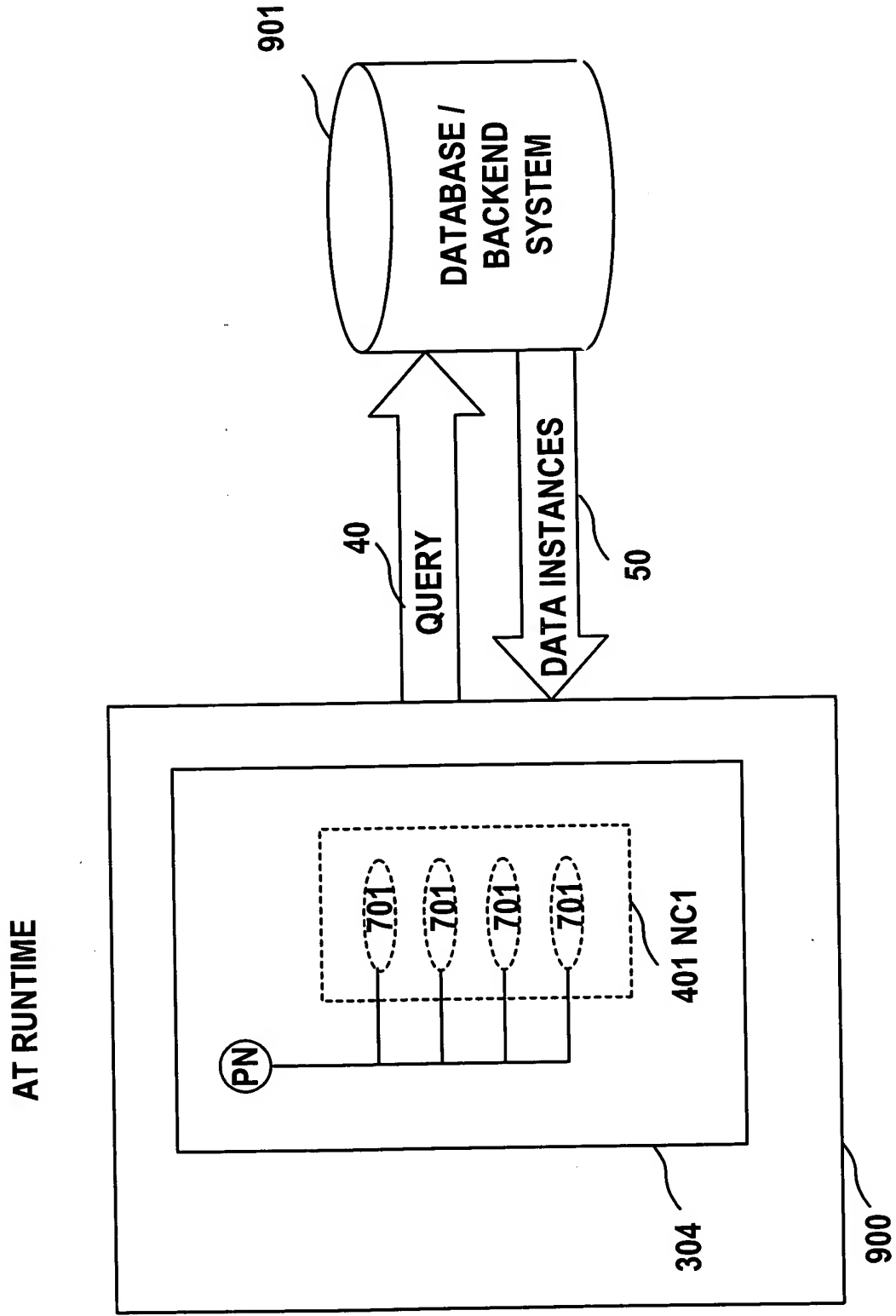
⬮   NODE SELECTION
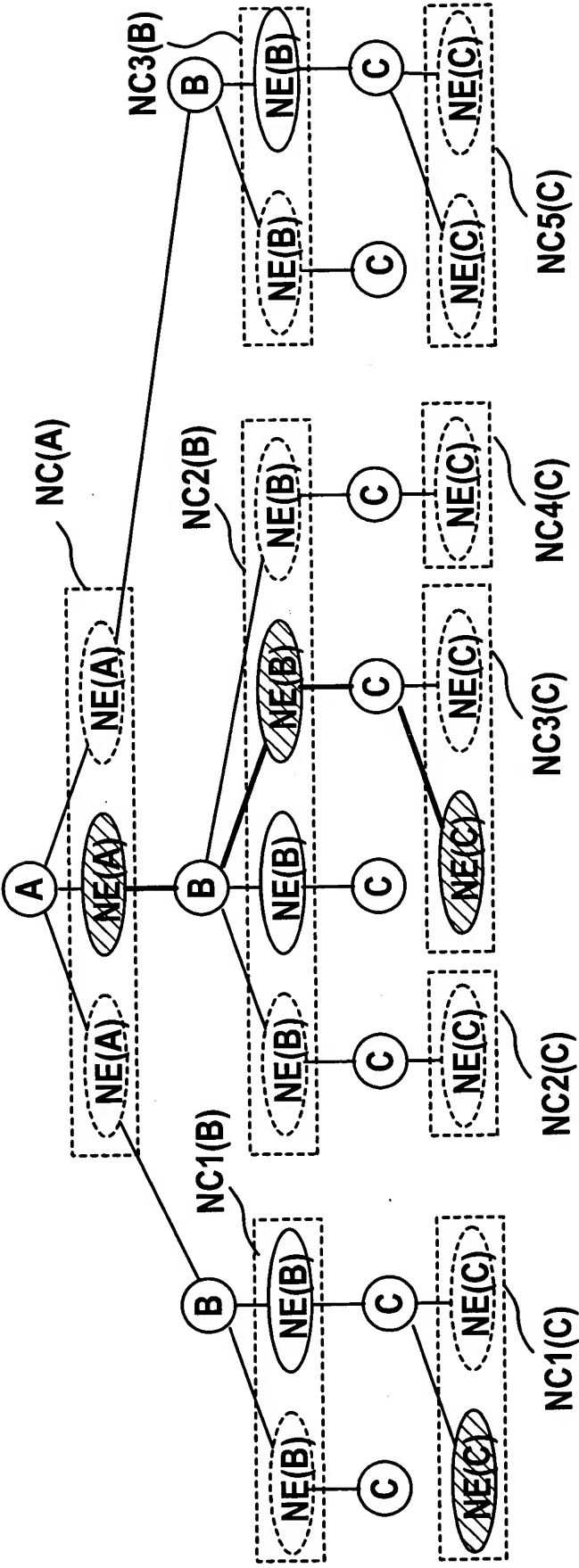
304-a

FIG. 5A

AT RUNTIME (NON-SINGLETON)

LEGEND:

○ NODE

⬭ RUNTIME INSTANCE

▢ NODE COLLECTION

⬩ NODE SELECTION

304-a

FIG. 5B

FIG. 6

LEGEND:
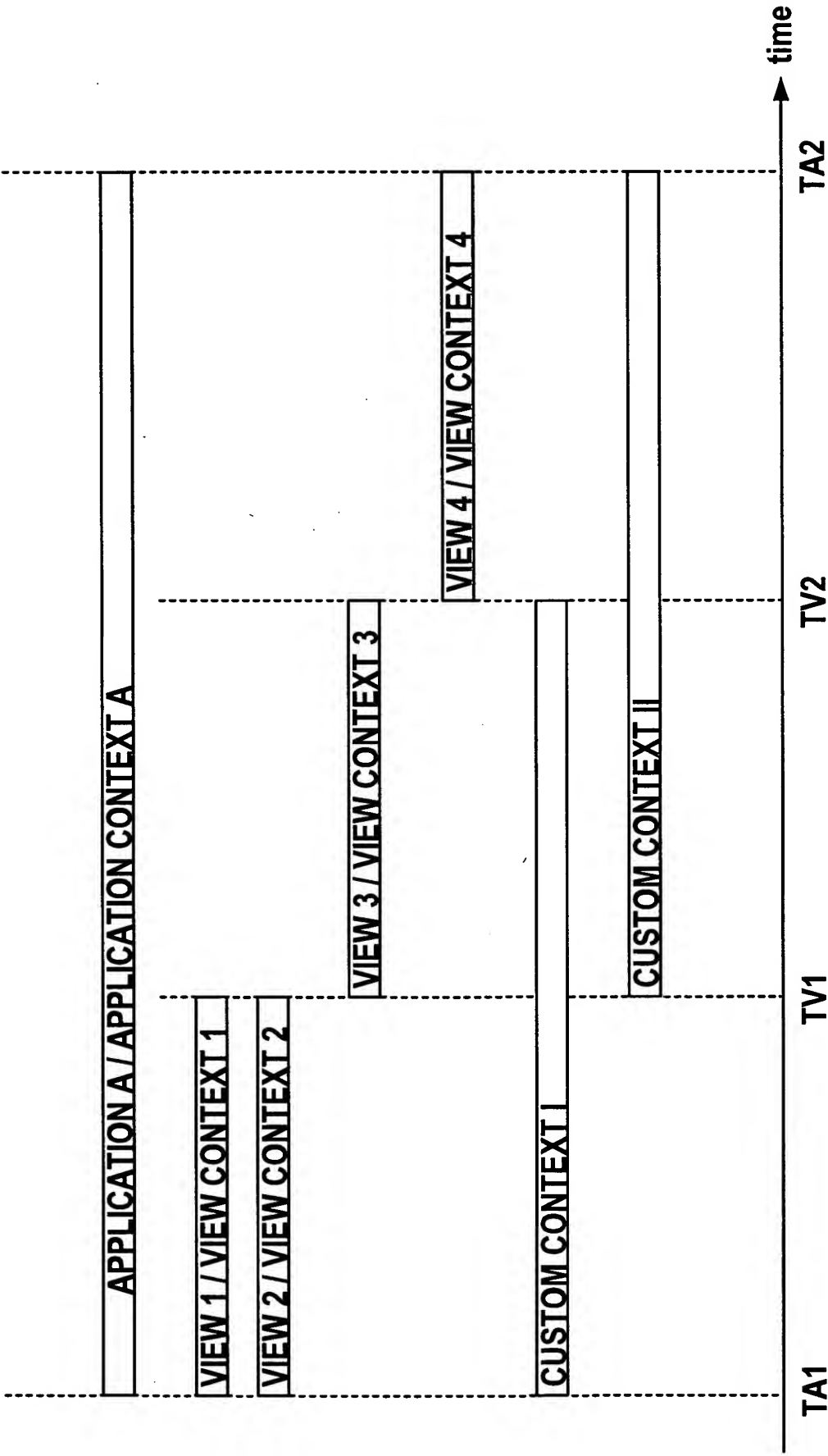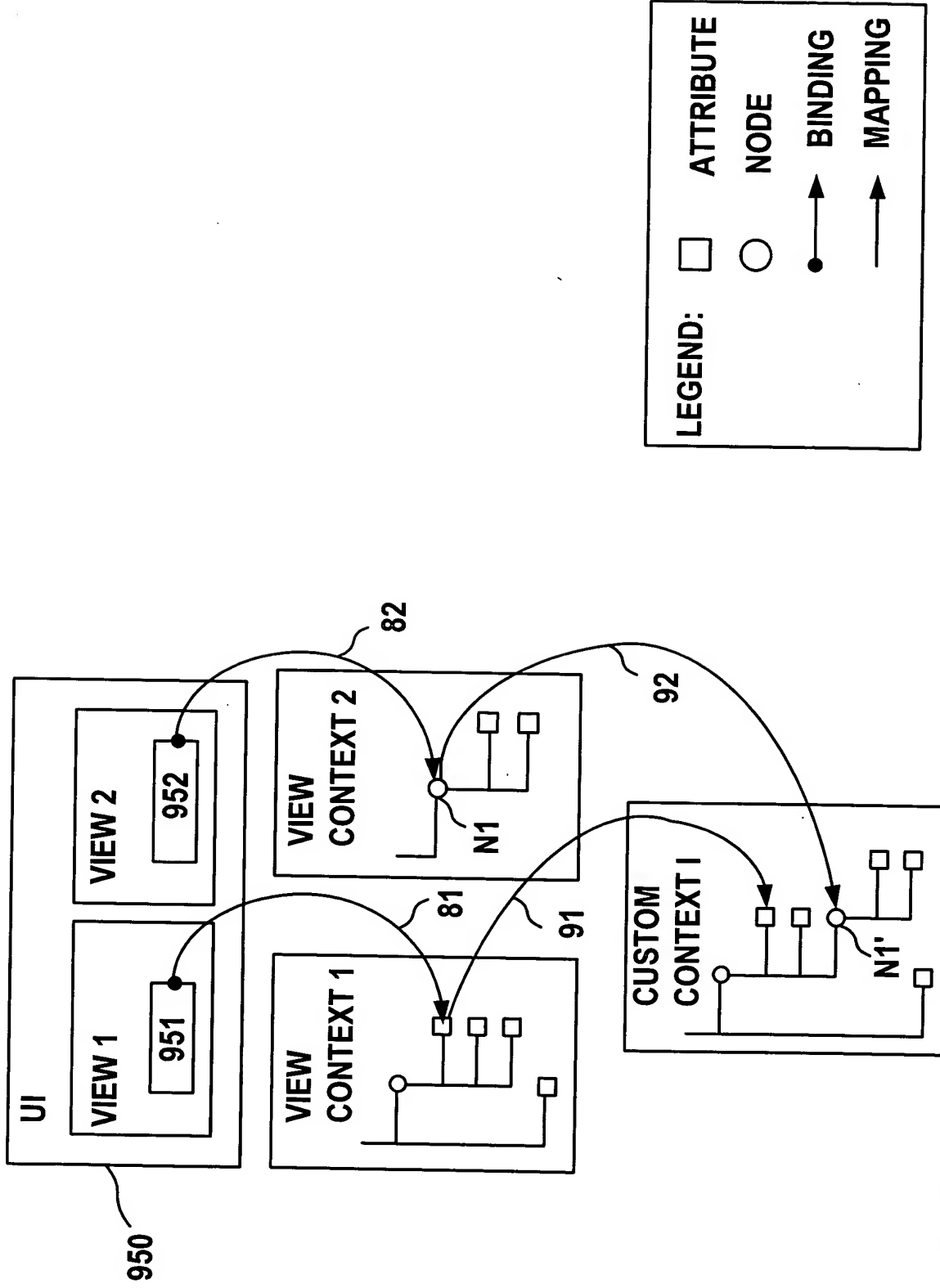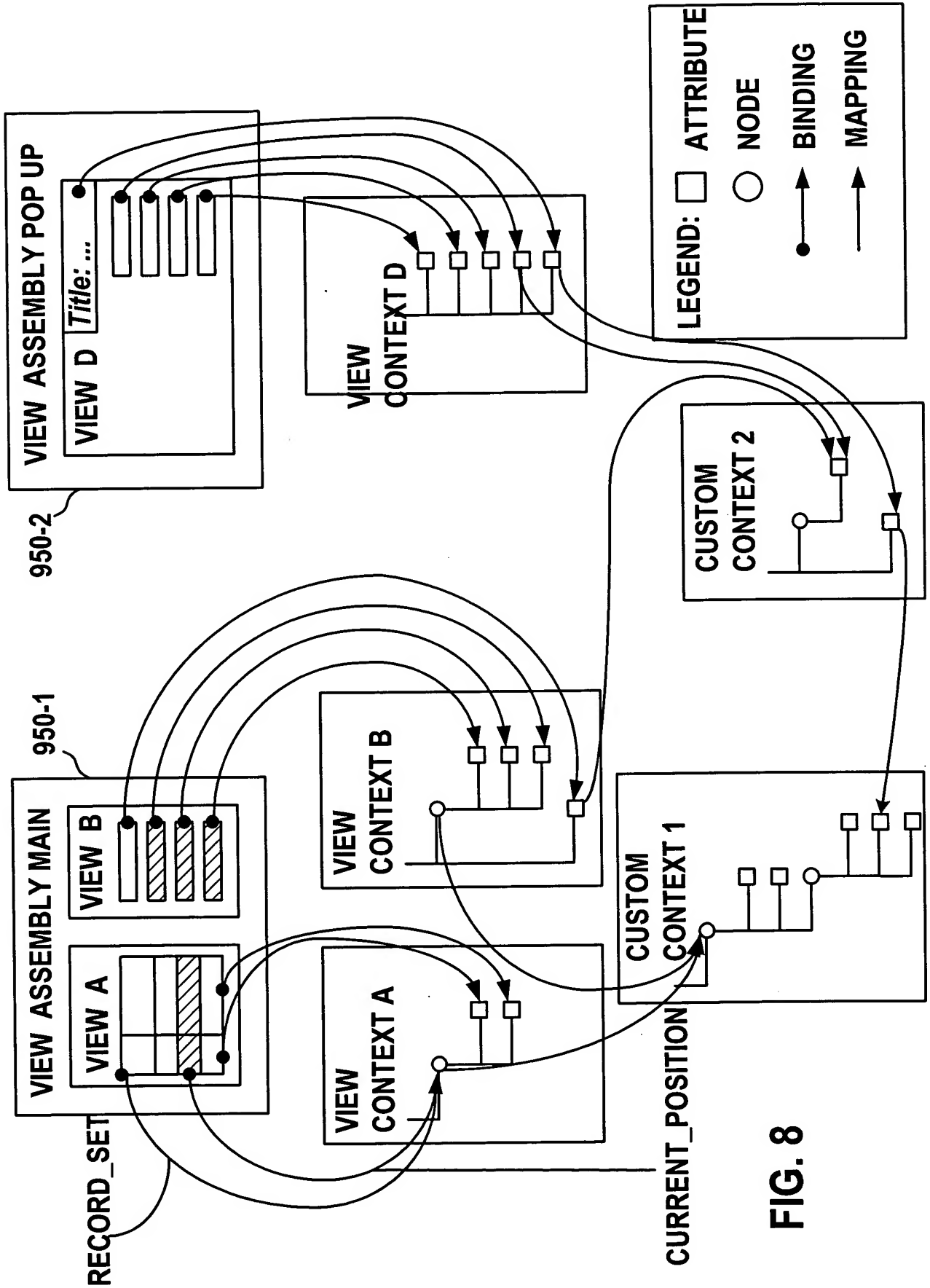
☐ ATTRIBUTE

○ NODE

● ➜ BINDING

➜ MAPPING

FIG. 7

FIG. 8